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PATENT

**Network Management Method, Apparatus of Same
and Network Systems**

Cross Reference To Related Application

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[0001] This application is a continuation of U.S. Patent Application 09/957,440 entitled "NETWORK MANAGEMENT METHOD, APPARATUS OF SAME, AND NETWORK SYSTEMS" and filed on September 17, 2001, now U.S. Patent No. 6,683,857, which is a continuation of U.S. Patent Application 08/811,472 entitled "NETWORK MANAGEMENT METHOD, APPARATUS OF SAME, AND NETWORK SYSTEMS" and filed on March 4, 1997, now U.S. Patent No. 6,335,919. The disclosures of the above-described filed applications are hereby incorporated by reference in their entirety.

Background Of The Invention

Field of the Invention

[0002] The present invention relates to a network management method for performing desired communication among data processing apparatuses in a network wherein a plurality of data processing apparatuses, for example, computers, are connected, an apparatus for the same, and a network system which can adequately perform such communication.

Description of the Related Art

[0003] Along with the development of data processing technology and communication technology, progress has been made in the construction of a network in which various data processing apparatuses are connected and information is used and various data processings are performed more effectively.

[0004] For example, progress has been made in the construction of an inter-network creating a large scale network by connecting a plurality of computer networks. Particularly, the so-called "Internet", which is a global scale network using TCP/IP as a protocol, may be typical example of such a network.

[0005] In the Internet, an IP address and domain name are given to each node on the network. An IP address is an identification number of each data processing apparatus connected to the network and represented by 32 bits of integer. Further, a domain name is a